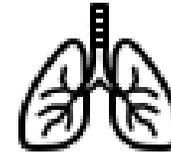


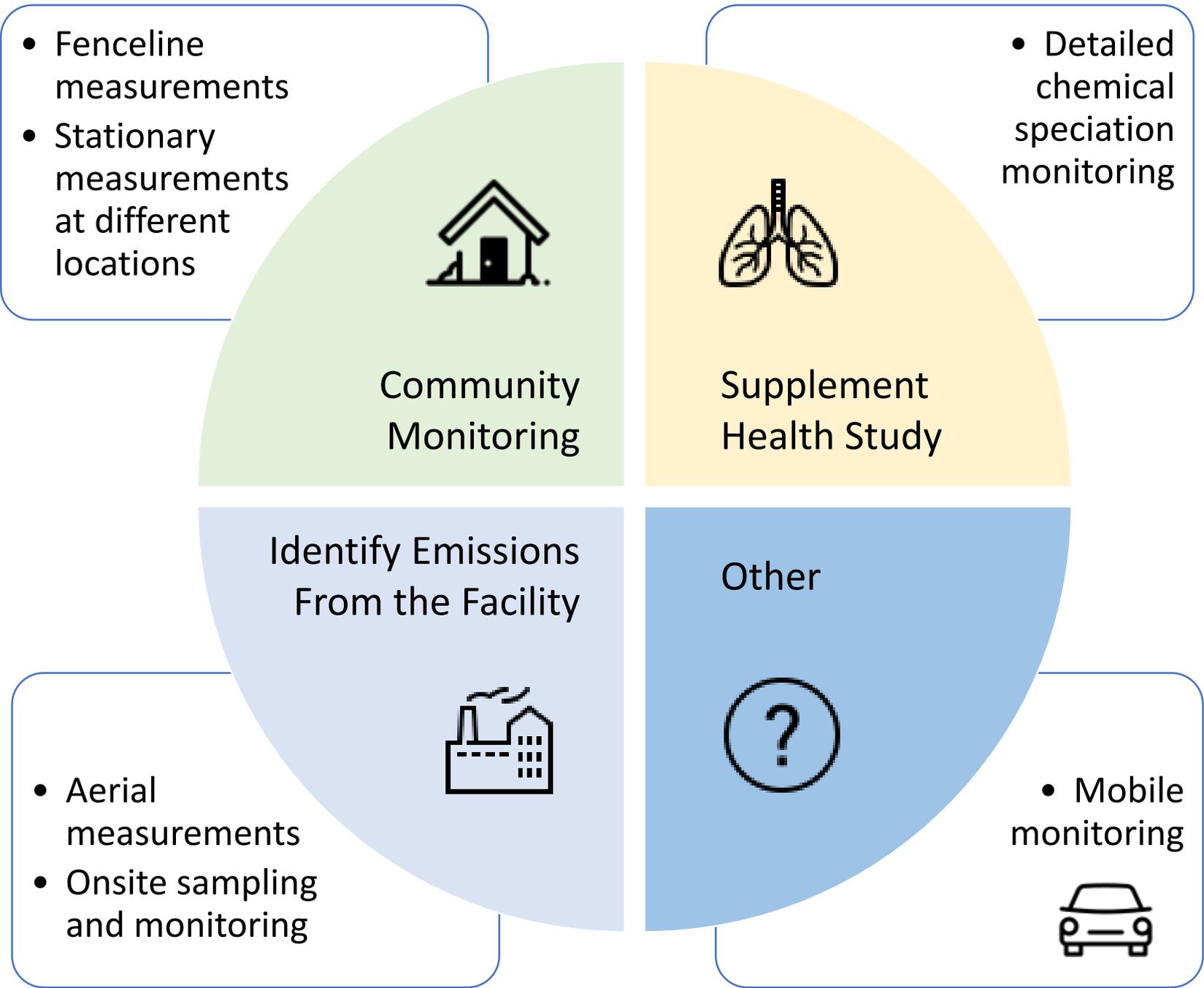
# Purposes of Monitoring

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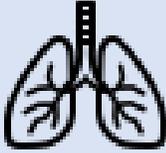


*Aliso Canyon SEP Meeting*  
*October 21, 2020*

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Advanced Monitoring Technologies Manager  
South Coast AQMD*



# Purpose of Monitoring - Overview

	 Community Monitoring	 ID Emissions From Facility	 Supplement Health Study	 Other
Detection Capability	✓✓✓	✓✓	✓✓✓✓✓	✓✓
Initial Cost	\$\$\$	\$	\$\$\$	\$
Ongoing Cost	\$	\$\$\$\$	\$\$\$\$\$	\$\$\$
Duration of Funds	3-5 years	1-3 years	1-2 years	3-5 years
Other Considerations	Continuous data and notifications	Challenges to get onsite	Consult with SOC and OEHHA	Need to define goals

# Proposals Received Thus Far

	Argos / UCLA	Spectrum	EHT (Andrew Krowne)	Aeroqual / EHT (Andrew Krowne)	Aclima
Purpose					 
Monitoring	Fenceline / Community	Fenceline	Environmental Health Tracker (EHT)	Community / EHT	Mobile, Fenceline, and Community
Pollutants / Other data	<b>CH<sub>4</sub>, BTEX, some air toxics, some criteria pollutants</b>	<b>CH<sub>4</sub>, some BTEX, some odorous compounds</b>	<b>Health symptoms, odor complaints, alerts</b>	<b>BTEX, total VOCs, PM, health symptoms, odor complaints, alerts</b>	<b>Some criteria pollutants, CH<sub>4</sub>, benzene, total VOCs</b>
Website and Notification	YES	YES (website only)	YES	YES	YES
Costs	\$680,000 (one time) \$20,000 / year \$150,000 (UCLA) (4 locations)	\$1,500,000 (2 locations)	\$55,000 (one time) \$30,000 / year (5 years)	\$1,705,000 (15 locations)	\$1,500,000 (3 years)
Duration		3-4 years		5 years	\$2,500,000 (5 years)
Notes	Cost of notification system not included	More information needed	Can be updated to enhance capabilities	More information needed	More information needed

# Final Thoughts

- Select measurement methods that are appropriate for the purpose of monitoring and specific data objectives
- More information needed for vendors to draft a more complete proposal

# Next Steps

- Continue discussion of community priorities for monitoring and work scope for SEP
- Establish a timeline
- Develop SEP work plan for contract
- Procure a contract

# Survey – What are the community's highest air monitoring priorities?

- Community Monitoring
- Identify Emissions From the Facility
- Supplement Health Study
- Other (e.g., mobile monitoring)

Survey – Rank the following **monitoring features** according to your order of preference to include in the monitoring SEP (1-less important; 10-more important)

- Coverage (more monitoring at more locations)
- Detection capability (ability to measure lower levels of pollutants; not just elevated levels)
- Projects duration (monitor for a longer period of time)
- Robust reporting system (health symptoms, odor complaints, alerts)
- Public data portal features
- Other

# Survey – What are the community's highest ranking air pollutants to monitor?

- Methane
- Benzene
- Full BTEX
- Total VOCs
- Sulfur Compounds
- Particulate Matter
- Other

Survey – Rank the following **monitoring approaches** according to your order of preference to include in the monitoring SEP (1- do not include; 10-must be included)

- Fenceline monitoring
- Stationary measurements at different locations
- Aerial measurements
- Onsite sampling and monitoring
- Detailed chemical speciation monitoring
- Mobile monitoring
- Other